

***Astrophysics, Atmospheric & Space Physics***

Dynamical structure of planetary nebulae in three dimensions : a numerical solution

J GHANBARI AND A R KHESALI

***Atomic & Molecular Physics***

Charge transfer in the interactions of partially stripped ions with atoms at intermediate and high energies

A DHARA, M PURKAIT, S SOUNDA AND C R MANDAL

***General Physics***

Effect of pyrosulphate ion on the surface tension of surfactants in aqueous acetone media

UPENDRA NATH DASH AND MANAS RANJAN PATNAIK

***Optics & Spectroscopy***

Study of propagation of a Gaussian laser beam in parabolic index optical fiber having thermal nonlinearity

R K KHANNA AND A K NAGAR

Beam-foil studies on aluminum

APARNA SHASTRI, SARASWATHY PADMANABHAN, B N RAJASEKHAR,  
P MEENAKSHI RAJA RAO, C A DESAI AND M B KURUP

Raman and FTIR spectroscopic studies of potassium titanyl phosphate (KTiOPO<sub>4</sub>) doped with lanthanum and praseodymium

M J BUSHIRI AND V U NAYAR

***Plasma Physics***

Effect of electron beam and temperature anisotropy on Alfvén waves

J SHRIVASTAVA, P VARMA, A BARONIA AND M S TIWARI

The conducting wall effect on single probe measurements

M I SANDUK, A HADI AL-JANABI AND H N AL BATTAT

***Votes***

Observations of a unique VLF emission at Jammu

LALMANI, RAJOU KUMAR, RAJESH SINGH AND A K GWAL

**Influence of magnetic field of solar plasma on galactic cosmic rays**

**SUBHASH C KAUSHIK**

**Particle size distribution (PSD) measurements using polarized light methods**

**TRAIAN NICULA**

**On couple-stree fluid heated from below in porous medium**

**R C SHARMA AND SHIVANI SHARMA**

**Thermodynamic properties in some aqueous biological fluid mixture**

**O P CHIMANKAR, K G REWATKAR AND V A TABHANE**

**Spectrophotometric analysis of heavy metals in coastal waters of  
West Bengal**

**D P BHATTACHARYYA, B MAHAPATRA, K C HALDER, KAKOLI BANERJEE  
AND ABHIJIT MITRA**